

ABSTRACT

The present invention discloses a method for resource allocation and rate control of dedicated channels in a Wideband Code Division Multiple Access (WCDMA) communication system, the method being characterized by comprising: a) the step of determining channel states of downlink DCH channels for non-realtime data services; b) the step of determining states of the users using said downlink DCH channels; and the step of correlating the channel states determined in step a) with the user states determined in step b), and dynamically allocating the DCH channels with certain rates to the users in the different user states according to a wireless measurement result measured by a current transmission channel and based on the priority and fairness requirements. According to the present invention, the method effectively realizes the bandwidth resource allocation and rate control, improves the radio resource availability and provides users, to the maximum extent, with a data service bandwidth as high as possible.